

US EPA RECORDS CENTER REGION 5



466382

Monthly Oversight Report 36
ACS NPL Site
Griffith, Indiana
November 29, 2003 - December 26, 2003

Monthly Oversight Summary Report No. 36
ACS Superfund Site WA57, 46526.238

Reporting Period: Month of December (November 29 - December 26, 2003)

BVSPC O/S Dates: December 5 and 11, 2003

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	4	Respondent's General Contractor
Black & Veatch Special Projects Corp.	1	USEPA Oversight Contractor
Eagle Services	4	Specialty Contractor
Austgen Electric	1	Electrical Contractor
Ryan Construction	2	General Contractor
Vidimos	1	Specialty Metal Fabrication and Welding
Simalabs	1	GWTP Sampling Contractor

Construction Activities

Major Activities:

- Eagle Services removed sludge and the metal bar from the clarifier that had impeded the rotation of the sludge rake.
- Ryan Construction modified the piping associated with the scrubber for the Durr thermal oxidizer unit 1.
- Vidimos installed a new manway in the Durr thermal oxidizer unit 1.
- Montgomery Watson Harza tested the reconfigured scrubber for the Durr thermal oxidizer unit 1 with clean water and brought the unit up to operating temperature.
- Montgomery Watson Harza continued to operate the Off-Site Containment Area and On-Site Containment Area Still Bottoms Pond Area in-situ soil vapor extraction systems, processing vapors through the Global thermal oxidizer unit 2.
- Montgomery Watson Harza collected the monthly compliance sample from the Global thermal oxidizer unit 2 on December 5, 2003.
- Montgomery Watson Harza replaced a damaged conductivity probe in the Global thermal oxidizer unit 2 on December 8, 2003.
- Simalabs collected routine groundwater samples from the groundwater treatment plant.
- Montgomery Watson Harza reported that the groundwater sampling results from the resampling of the residential wells were non-detect.
- Austgen Electric installed new lights in the groundwater treatment plant building.

- Montgomery Watson Harza held the construction coordination meeting on December 11, 2003. No other construction coordination meetings were held during the reporting period because of the Christmas holiday and the lack of activity at the site.

Activities Performed:

Montgomery Watson Harza (MWH) reported that the sludge rake in the clarifier stopped rotating on December 3, 2003, because of an obstruction in the clarifier. MWH reported that it attempted to restart the clarifier and dislodge the obstruction by reversing the rotation of the rake; however, MWH's attempts were unsuccessful and it began removing the water from the clarifier on December 3, 2003. Eagle Services was onsite on December 5 and 6, 2003, to remove the sludge and the obstruction from the clarifier. Eagle Services removed the sludge and pumped it into the small wedge in the biotank that is designed to hold sludge. Eagle Services then removed a 5-foot-long, 1-inch-diameter metal bar that was obstructing the rotation of the sludge rake. MWH reported that the metal bar had been lost in the clarifier a couple of years ago. MWH reported that it inspected the interior of the clarifier and observed that it did not sustain any damage. MWH and Eagle Services restarted the sludge rake and observed it complete two rotations prior to refilling the clarifier with water on December 6, 2003. MWH reported that the work performed required confined space entry and Black & Veatch Special Projects Corp. (BVSPC) observed that the appropriate health and safety precautions were followed. MWH restarted the groundwater treatment plant (GWTP) at 40 gpm on December 7, 2003.

MWH reported that Austgen Electric installed new lights in the GWTP near the Global thermal oxidizer unit 2. MWH typically operated the GWTP between 30 and 40 gpm during the reporting period. MWH reported that it continued to focus its dewatering efforts in the On-Site Containment Area (ONCA) Still Bottoms Pond Area (SBPA) in order to lower the groundwater table to its target elevation.

MWH reported that Vidimos installed a new manway and repaired several welds on the Durr thermal oxidizer unit 1 scrubber on December 1, 2003. Ryan Construction completed reconfiguring the piping associated with the scrubber for the Durr thermal oxidizer unit 1 on December 22, 2003. MWH tested the configuration of the scrubber with clean water during the week of December 22, 2003. MWH proceeded to bring the unit up to operating temperature and began operation of the unit in hot idle mode on December 26, 2003. MWH reported that it expects to begin processing vapors through the Durr thermal oxidizer unit 1 on December 29, 2003.

MWH continued to operate the Off-Site Containment Area (OFCA) and ONCA SBPA in-situ soil vapor extraction (ISVE) systems, processing vapors through the Global thermal oxidizer unit 2. MWH collected the monthly compliance sample from the Global thermal oxidizer unit 2 on December 5, 2003. MWH reported that the Global thermal oxidizer unit 2 shut down on December 8, 2003, because of a cracked conductivity probe. MWH replaced the probe and resumed operating the unit on December 10, 2003.

MWH reported that it tested the concentrate from the nanofiltration unit and determined that it does not exceed the GWTP effluent discharge limits. MWH reported that it began directing the concentrate stream to the GWTP effluent rather than back into the treatment system. Simalabs collected samples from the GWTP for routine analysis. MWH reported that the GWTP's filter cake is being disposed of offsite by incineration at Port Arthur, Texas, because of the concentrations of certain constituents.

MWH reported that all of the results from the resampling of residential wells PW-Y and PW-A were non-detect for all compounds including pentachlorophenol. MWH also reported that the residence at PW-Y has been switched to the city water supply.

MWH held a construction coordination meeting on December 11, 2003. No other construction coordination meetings were held during the reporting period because of the lack of activity at the site and the Christmas holiday.

Attached are BVSPC weekly reports No. 144 through 147, correspondence, log book notes, and photographs of the daily activities. BVSPC's crew conducted oversight of the major field activities on December 5 and 11, 2003. BVSPC's crew attended one construction coordination meeting at the site on December 11, 2003.

Topics of Concern:

- None to report.

Concern Resolution:

- None to report.

Upcoming Activities:

- MWH to begin processing vapors through the Durr thermal oxidizer unit 1.
- MWH to investigate benzene levels in the lower aquifer below the wetlands area.

Signature: Leigh Peters

Date: January 1, 2003

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Weekly Oversight Summary Report No. 144
ACS Superfund Site WA57, 46526.238

Reporting Period: Week of December 1, 2003.

BVSPC O/S Dates: December 5, 2003 (Mr. Campbell).

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	2	Respondent's General Contractor
Black & Veatch Special Projects Corp.	1	Oversight Contractor
Eagle Services	4	Specialty Contractor
Ryan Construction	1	General Contractor
Austgen Electric	1	Electrical Contractor
Vidimos	1	Specialty Metal Fabrication and Welding

Construction Activities

Major Activities:

- Eagle Services removed sludge and the metal bar from the clarifier that has impeded the rotation of the sludge rake.
- Montgomery Watson Harza resumed operating the groundwater treatment plant on December 7, 2003.
- Austgen Electric installed new lights in the groundwater treatment plant building.
- Ryan Construction continued to modify the piping associated with the scrubber for the Durr thermal oxidizer unit 1.
- Vidimos installed a new manway in the Durr thermal oxidizer unit 1 scrubber.
- Montgomery Watson Harza continued to operate the Off-Site Containment Area and On-Site Containment Area Still Bottoms Pond Area in-situ soil vapor extraction systems.
- Montgomery Watson Harza collected the monthly compliance sample from the Global thermal oxidizer unit 2 on December 5, 2003.

Activities Performed:

Montgomery Watson Harza (MWH) reported that the sludge rake in the clarifier stopped rotating on December 3, 2003, because of an obstruction in the clarifier. MWH reported that it attempted to restart the clarifier and dislodge the obstruction by reversing the rotation of the rake; however, MWH's attempts were unsuccessful and it began removing the water from the clarifier on December 3, 2003. Eagle Services was onsite on December 5 and 6, 2003, to remove the sludge and the obstruction from the clarifier. Eagle

Services removed the sludge and pumped it into the small wedge in the biotank that is designed to hold sludge. Eagle Services then removed a 5-feet-long, 1-inch-diameter metal bar that was obstructing the rotation of the sludge rake. MWH reported that the metal bar had been lost in the clarifier a couple of years ago. MWH reported that it inspected the interior of the clarifier and observed that it did not sustain any damage. MWH and Eagle Services restarted the sludge rake and observed it complete two rotations prior to refilling the clarifier with water on December 6, 2003. MWH reported that the work performed required confined space entry and Black & Veatch Special Projects Corp. observed that the appropriate health and safety precautions were followed. MWH restarted the groundwater treatment plant (GWTP) at 40 gpm on December 7, 2003.

MWH reported that Austgen Electric installed new lights in the GWTP near the Global thermal oxidizer unit 2.

MWH reported that Ryan Construction continued to work on the piping configuration for the Durr thermal oxidizer unit 1. MWH also reported that Vidimos installed a new manway and repaired several welds on the Durr thermal oxidizer unit 1 scrubber on December 1, 2003. MWH reported that it expects to resume operating the Durr thermal oxidizer unit 1 around January 1, 2003. MWH reported that it continued to operate the Off-Site Containment Area and On-Site Containment Area Still Bottoms Pond Area in-situ soil vapor extraction systems, processing vapors through the Global thermal oxidizer unit 2. MWH reported that it collected the monthly compliance sample from the Global thermal oxidizer unit 2 on December 5, 2003.

Topics of Concern:

- None to report.

Concern Resolution:

- None to report.

Upcoming Activities:

- Ryan Construction to complete modifications to the piping for the Durr thermal oxidizer unit 1.
- MWH to resume operating the Durr thermal oxidizer unit 1.
- MWH to investigate benzene levels in the lower aquifer below the wetlands area.

Signature: Leigh Peters

Date: December 23, 2003

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Weekly Oversight Summary Report No. 145
ACS Superfund Site WA57, 46526.238

Reporting Period: Week of December 8, 2003.

BVSPC O/S Dates: December 11, 2003 (Mr. Campbell).

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	4	Respondent's General Contractor
Black & Veatch Special Projects Corp.	1	Oversight Contractor
Ryan Construction	2	General Contractor
Simalabs	1	GWTP Sampling Contractor

Construction Activities

Major Activities:

- Ryan Construction continued to modify the piping associated with the scrubber for the Durr thermal oxidizer unit 1.
- Montgomery Watson Harza replaced a damaged conductivity probe on the Global thermal oxidizer unit 2.
- Simalabs collected routine water samples from the groundwater treatment plant.
- Montgomery Watson Harza reported that the groundwater sampling results from the resampling of the residential wells were non-detect.
- Montgomery Watson Harza held the construction coordination meeting on December 11, 2003.

Activities Performed:

Montgomery Watson Harza (MWH) reported that Ryan Construction continued to work on the piping configuration for the Durr thermal oxidizer unit 1. MWH reported that it expects to resume operating the Durr thermal oxidizer unit 1 by January 4, 2003.

MWH reported that the Global thermal oxidizer unit 2 shut down on December 8, 2003, because of a cracked conductivity probe. MWH reported that it replaced the probe and resumed operating the Off-Site Containment Area and On-Site Containment Area Still Bottoms Pond Area in-situ soil vapor extraction systems, processing vapors through the Global thermal oxidizer unit 2 on December 10, 2003.

MWH reported that it tested the concentrate from the nanofiltration unit and determined that it does not exceed the groundwater treatment plant (GWTP) effluent discharge limits. MWH reported that it will direct

the concentrate stream to the effluent rather than back into the treatment system. Simalabs collected samples from the GWTP for routine analysis. MWH reported that the GWTP's filter cake must now be disposed of by incineration because of the concentrations of certain constituents. MWH reported that the third load of filter cake will be shipped offsite to Port Arthur, Texas on December 15, 2003.

MWH reported that all of the results from the resampling of residential wells PW-Y and PW-A were non-detect for all compounds including pentachlorophenol. MWH reported that the residence at PW-Y has been switched to the city water supply.

MWH held the construction coordination meeting on December 11, 2003.

Topics of Concern:

- None to report.

Concern Resolution:

- None to report.

Upcoming Activities:

- Ryan Construction to complete modifications to the piping for the Durr thermal oxidizer unit 1.
- MWH to resume operating the Durr thermal oxidizer unit 1.
- MWH to ship the third load of filter cake to Port Arthur, Texas on December 15, 2003.
- MWH to investigate benzene levels in the lower aquifer below the wetlands area.

Signature: Leigh Peters

Date: December 23, 2003

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**CONSTRUCTION MEETING MINUTES
FOR DECEMBER 11, 2003 MEETING
AMERICAN CHEMICAL SERVICE, NPL SITE
GRIFFITH, INDIANA**

MEETING DATE: Thursday, December 11, 2003

MEETING TIME: 10:00 AM

MEETING LOCATION: Conference Call

ATTENDEES: Kevin Adler – U.S. EPA
Mark Travers – Environ
Larry Campbell – BVSPC
Pete Vagt – MWH
Lee Orosz – MWH
Doug Hendrich – MWH
Chad Smith – MWH
Chris Daly – MWH
Jon Pohl – MWH

TOPICS:

Health and Safety Summary

There have been no health and safety issues at the Site since the last construction meeting on November 20, 2003. Activities at the Site have included operation of the groundwater treatment plant (GWTP), operation of the Off-Site Area in-situ soil vapor extraction (ISVE) system and the Still Bottoms Pond Area (SBPA) ISVE system, upgrading of Thermal Oxidizer/Scrubber Unit 1 (Therm Ox 1), and maintenance of GWTP components.

Confined space entries into the activated sludge plant (ME-101) were required on December 5th and 6th to repair the sludge rake in the clarifier. The confined space entries were performed following the appropriate health and safety procedures.

Groundwater Treatment Plant (GWTP) Status

The GWTP is currently operating at 40 gallons per minute (gpm). The GWTP operated continuously from the last meeting on November 20th until December 3rd. On December 3rd the sludge rake in the ME-101 clarifier stopped rotating, apparently due to an obstruction in the clarifier. After initial unsuccessful attempts to start the sludge rake by reversing the direction of the rake, Eagle Services was brought onsite to pump the water and sludge from the clarifier to a sludge holding zone of ME-101 in order to locate and remove the obstruction. Members of the Eagle crew were required to enter the clarifier in order to remove the sludge. The confined space entries were performed in accordance with appropriate health and safety procedures. The cause of sludge rake malfunction was determined to be a steel bar that had previously been dropped in the clarifier and had become wedged between the rake and the clarifier wall. A visual inspection of the

clarifier indicated that no damage had been done. The water and sludge were then pumped back into the clarifier and the GWTP was brought back online on December 7th.

MWH has determined that the concentrate stream from the nanofilter unit (the material removed by the filtering process) does not exceed any of the effluent discharge limits. Therefore, the concentrate stream will be directed to the effluent.

Austgen Electric was onsite during the past three weeks installing new lights in the GWTP building.

The third load of filter cake will be shipped to Ft. Arthur, Texas for disposal on December 15th.

Off-Site Area/SBPA ISVE Systems

Thermal Oxidizer/Scrubber Unit 2 (Therm Ox 2) treated the vapors from the Off-Site ISVE and SBPA ISVE systems continuously from the last meeting on November 20th until December 8th. Therm Ox 2 was shut down on December 8th to replace a cracked conductivity probe. The unit was brought back online on December 10th. The Off-Site ISVE system is drawing vapor from seventeen wells. The SBPA ISVE system is drawing vapor from a limited number of wells due to the elevated groundwater levels in the On-Site Area.

Ryan Construction was onsite during the last three weeks repiping Thermal Oxidizer/Scrubber Unit 1 (Therm Ox 1). In addition, Vitamus was onsite December 1st to install a new manway and perform other welding on the unit. MWH anticipates starting Therm Ox 1 around January 1st.

Private Well Sampling

The validated results from the two residences that were resampled on November 14th have been received and are non-detect for all compounds, including pentachlorophenol. MWH believes that the previous pentachlorophenol detections were a laboratory issue and not site-related based on two factors. The first is that the compound has not been detected at any sample location to date. The second factor was that one residence uses city water while the other residence uses water from an aquifer well, indicating that the pentachlorophenol detection was not solely in aquifer water. The results of the resampling will be submitted to the Agencies.

Looking Ahead

December 15, 2003 through January 8, 2004	<ul style="list-style-type: none">• GWTP/BWES/PGCS operation• Off-Site and SBPA ISVE Systems operation• Startup of Therm Ox 1• Routine maintenance
Health and Safety Items to Monitor	<ul style="list-style-type: none">• Communication between MWH and subcontractors regarding maintenance and construction activities in the GWTP• Therm Ox 1 startup (i.e. clean water start, electrical issues, mechanical and piping issues, etc.)

Next Construction Meeting - Thursday, January 8, 2004, 10 a.m.

JDP/RAA

\\schills-server\jobs\209\0601 ACS\0202 MWA PM\Meeting Minutes 2003\Meeting Minutes 12-11-03.doc

Weekly Oversight Summary Report No. 146
ACS Superfund Site WA57, 46526.238

Reporting Period: Week of December 15, 2003.

BVSPC O/S Dates: Cancelled because of limited site activities.

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	1	Respondent's General Contractor
Ryan Construction	2	General Contractor

Construction Activities

Major Activities:

- Ryan Construction continued to modify the piping associated with the scrubber for the Durr thermal oxidizer unit 1.
- Montgomery Watson Harza continued operating the groundwater treatment plant and the in-situ soil vapor extraction systems.

Activities Performed:

Ryan Construction continued to modify the piping associated with the scrubber for the Durr thermal oxidizer unit 1. Montgomery Watson Harza (MWH) reported that it expects to test the modified configuration of the scrubber with clean water. MWH also reported that it expects to begin pulling vapors through the unit within the upcoming weeks.

MWH reported that it continued to operate the groundwater treatment (GWTP), operating the plant at 43 gpm. MWH continued to operate the Off-Site Containment Area and On-Site Containment Area Still Bottoms Pond Area in-situ soil vapor extraction systems, processing vapors through the Global thermal oxidizer unit 2. MWH reported that the third load of filter cake from the GWTP was shipped offsite to Port Arthur, Texas on December 15, 2003, for incineration. MWH also reported that it performed miscellaneous maintenance activities inside the GWTP.

Topics of Concern:

- None to report.

Concern Resolution:

- None to report.

Upcoming Activities:

- Ryan Construction to complete modifications to the piping for the Durr thermal oxidizer unit 1.

- MWH to resume operating the Durr thermal oxidizer unit 1.
- MWH to investigate benzene levels in the lower aquifer below the wetlands area.

Signature: Leigh Peters

Date: December 31, 2003

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Weekly Oversight Summary Report No. 147
ACS Superfund Site WA57, 46526.238

Reporting Period: Week of December 22, 2003.

BVSPC O/S Dates: Cancelled because of limited site activities.

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	1	Respondent's General Contractor
Ryan Construction	2	General Contractor

Construction Activities

Major Activities:

- Ryan Construction completed modifying the piping associated with the scrubber for the Durr thermal oxidizer unit 1.
- Montgomery Watson Harza tested the Durr thermal oxidizer unit 1 scrubber, cycling clean water through the unit.
- Montgomery Watson Harza brought the Durr thermal oxidizer unit 1 up to temperature and operated in hot idle mode.
- Montgomery Watson Harza continued operating the groundwater treatment plant and the in-situ soil vapor extraction systems.

Activities Performed:

Ryan Construction completed the modifications to the Durr thermal oxidizer unit 1 scrubber on Monday, December 22, 2003. Montgomery Watson Harza (MWH) tested the configuration of the scrubber with clean water. MWH proceeded to bring the unit up to operating temperature and began operation of the unit in hot idle mode on Friday, December 26, 2003. MWH reported that it expects to process vapors through the Durr thermal oxidizer unit 1 on December 29, 2003.

MWH reported that it continued to operate the groundwater treatment plant (GWTP) between 30 and 40 gpm. MWH reported that it continues to focus its dewatering efforts in the On-Site Containment Area (ONCA) Still Bottoms Pond Area (SBPA) in order to lower the water table to the target elevation. MWH also reported that it continued to operate the Off-Site Containment Area and ONCA SBPA in-situ soil vapor extraction systems, processing vapors through the Global thermal oxidizer unit 2.

Topics of Concern:

- None to report.

Concern Resolution:

- None to report.

Upcoming Activities:

- MWH to begin processing vapors through the Durr thermal oxidizer unit 1.
- MWH to investigate benzene levels in the lower aquifer below the wetlands area.

Signature: Leigh Peters

Date: December 31, 2003

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(34)

5 Dec 03

0823 Arrive onsite - rain/sleet
overcast, calm 33°F

Personnel On Site

Lee Orosz MWH

Jerry Clark Ryan

Doug Henrichs MWH

Rob Holcomb Eagle

Tim Pogorski "

Robt Menik "

Doug Cargill "

Larry Campbell BUSPC

0830 Disc w/ Lee regarding plans
for Eagle to pump sludge from
clarifier of bio tank to find
reason that clarifier tank will
not rotate0850 Roll 51-4 Looking S at
Eagle personnel lowering ladder
into clarifier0852 Roll 51-5 Looking N into
clarifier that has been dewatered0853 Roll 51-6 Looking E down
into clarifier showing access
ladder lowered into clarifier

JM Campbell

(35)

0910 Roll 51-7 Looking E showing
Eagle personnel retrieving sampling
tube for air monitoring instrument0915 Roll 51-8 Looking E showing
Eagle personnel taking air readings
in clarifier using 15' long tube0940 Roll 51-9 Looking W down
into clarifier showing pneumatic
sludge pump suspended by rope
just above top of sludge

0941 Roll 51-10 Same as Roll 51-9

0950 Roll 51-11 Looking N into sludge
holding cell in biotank showing
sludge being discharged from 3" hose1000 Roll 51-12 Looking W showing
Eagle technician donning respirator
& welders in preparation for entering
clarifier1005 Roll 51-13 Looking E showing
Eagle technician descending ladder
into clarifier1007 Roll 51-14 Looking N showing
Eagle technician descending into ladder
into clarifier

1010 Roll 51-15 Looking W showing

JM Campbell

(36)

- Eagle Technician wading in
sludge along W side of clarifier
- 1020 Roll 51-16 Looking SW into
Clarifier showing Eagle technician
moving sludge pump intake hose
- 1025 Roll 51-17 Looking SW into
Clarifier showing Eagle technician
moving sludge pump intake hose
- 1045 Roll 51-18 Looking S showing
Eagle technician (on L) who had
been in clarifier (note sludge
on his suit)
- 1100 Roll 51-19 Looking N into
sludge cell in bio tank showing
sludge discharging from hose
- 1105 Roll 51-20 Looking SW showing
Eagle technicians observing
operation of sludge pump
- 1110 Roll 51-21 Looking S into
clarifier showing sludge
pump removing sludge & liquor
compare to photo 51-17 and note
less liquid on surface of sludge
- 1130 Left site for day

Larry M Campbell

(37)

11 Dec 03

0840 Arrive onsite - clear
Calm, Cold 20°F

Personnel Onsite

⊗ Doug Heinrichs	MWH
Jerry Clark	Ryan
⊗ Lee Orsosz	MWH
Ferry Frisk	Ryan
⊗ Larry Campbell	BU5PC
Mike Chenoweth	Semi Labs
Rob Adams	MWH
Todd Lewis	MWH

- 0915 Roll 51-22 Looking SW at
Ryan employee re installing piping
at Durr Thermox #1
- 0925 Roll 51-23 Looking N into
reactivated, refilled clarifier
- 0930 Roll 51-24 Looking N into
sludge holding cell in bio tank -
showing nearly full of sludge
pumped from clarifier.
Compare to photo 51-19.
- 1000 Construction meeting
Attendees:
Those above denoted by ⊗

Tom Campbell

(38)

Plus following personnel via phone

Pete Vagt	MWH
Chris Daly	"
John Poi	"
Koum Adlar	USEPA
Chad Smith	MWH
Mark Trevers	Environ

H&S - No problems since last mtg

- Had confined space entry into bio tank clarifier - weather had been snow & rain & icy conditions
- Maintenance work in plant

GWTP - pumping operating at 40 gpm

- Had problem in bio tank. Rake in clarifier stopped turning. Shut down GWTP midday Wed 12/3/03 & pumped out water from clarifier. On Friday 12/5/03, Eagle services used pneumatic diaphragm pump to pump sludge from clarifier to sludge holding cell of bio tank. Completed pumping on Sat. 12/6/03. Found a 5' long 1" dia steel bar wrapped around rake drive shaft.

JM Campbell

(39)

Removed steel bar & tried rake - rotated fine. Interior of clarifier looked good - No rust or corrosion. ~~XX~~

- Refilled clarifier w/ contaminated water on Saturday & Sunday. Restarted GWTP
- Kept ISVE systems running during GWTP shutdown
- Have run test manifold for bioproduct effluent - doesn't exceed discharge parameters. - So plan to start discharging effluent to sewer rather than back into treatment system.

ISVE Both OFCA & ONCA SBPA

systems are operational w/ vapors from both systems being treated in Global Thermox #2.

- Conductivity probe on Global Unit cracked. Shut down unit 12/8-10/03 & replaced probe.
- Pulling vapors from limited number of wells in SBPA & from 17-18 wells in OFCA

JM Campbell

(40)

The monthly ISVE compliance samples were collected on 12/5/03.

GWTP Sludge

Filter cake now must be disposed by incineration at Pt. Arthur TX
This makes 3 loads to " " "

ISVE

- Ryan is repiping the Durr Thermox Unit #1
- Vitamus installed a new hastyway Manway on Durr unit
- Plan to have Durr unit operational by ~~Jan 1~~ Jan 04
- Austgen added lights near Global unit.

Look Ahead

- Startup of Durr unit
- then inspect Global unit
- Take ISVE Water levels on 12/10/03 & again before Christmas
- Some reports have been delayed

H&S Look Ahead

Start Durr Unit w/ down water well water level reading

Residential Well - All results (P&P)

are Non Defect - MWH → date known
Next Mtg Jan 8, 2004
11:00 Left Site for Day Jim Campbell

(41)

1/8/04

Jesse E. Peltin

1130 Arrive onsite; Overcast, 20-25°F

Personnel Onsite:

* Doug Hendricks	MWH
Lee Orosz	MWH
Jerry Clark	Ryan
Terry Frisk	Ryan
* Leigh Peters	BVSPC

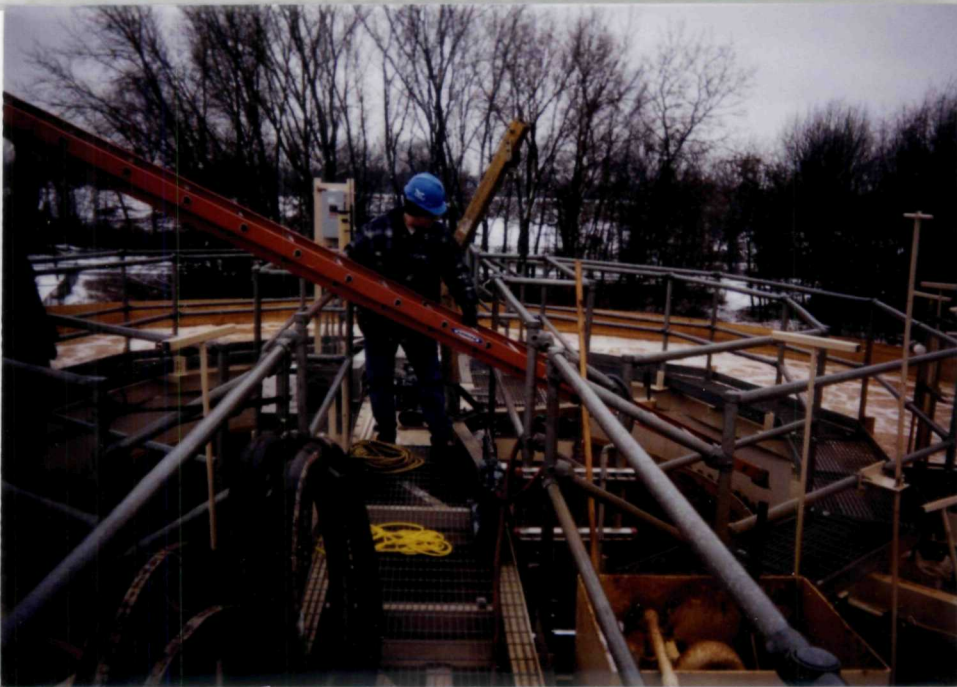
Ryan Construction working on misc activities on scrubber for Durr thermox. Construction meeting scheduled for 1000

0900 Spoke with L. Orosz. Ryan repairing leak in thermox 1 manway. MWH shut system down after operating 10 days with CFC-A vapors to repair leaks. When MWH try to restart, chamber temp not able to reach operating temp, gas limited by valve - Ryan to replace. Austgen onsite to assess chipping wood on CFC-A for use on pathways cleared to access monitoring wells. Simulates onsite for GWTP sampling.

1000 Wkly const mtg. Attendees - * on previous; plus (via phone)

Kevin Adler EPA	Pete Vagt MWH
Rob Adams MWH	Chris Daly MWH
Chad Smith MWH	Mark Travers Environ

Jesse E. Peltin



Site: American Chemical Services, Inc.

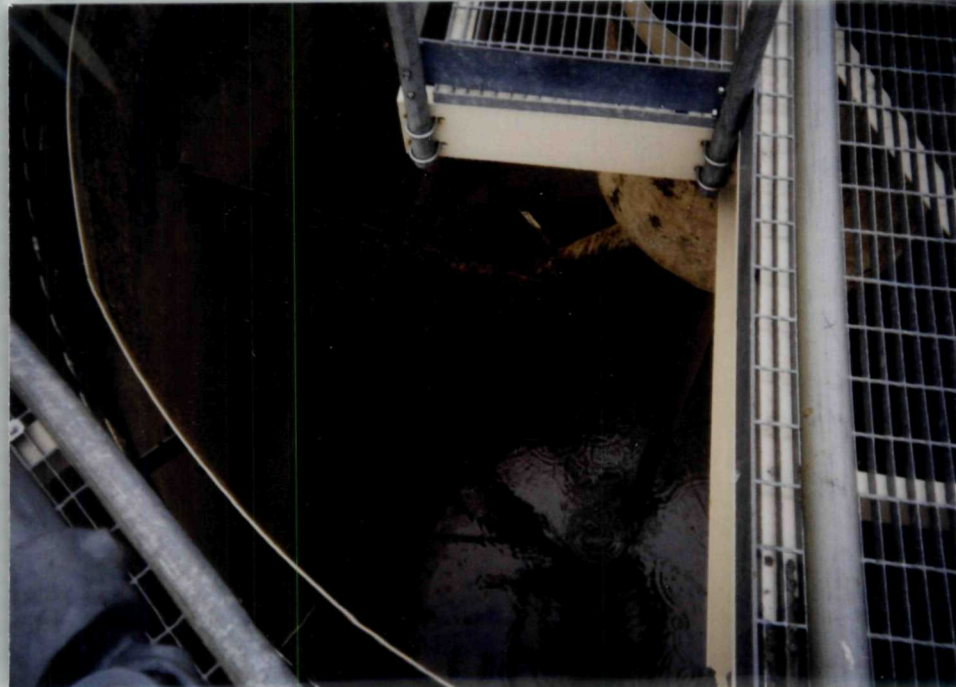
Proj. #: 46526

Roll: 51 Photo #4

Date: 12-05-03 Time: 08:50

Photographer: Larry Campbell

Description: Photo facing south showing Eagle Services personnel lowering ladder into clarifier



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 51 Photo #5

Date: 12-05-03 Time: 08:52

Photographer: Larry Campbell

Description: Photo looking north down into clarifier that has been dewatered to sludge in bottom



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 51 Photo #6

Date: 12-05-03 Time: 08:53

Photographer: Larry Campbell

Description: Photo looking east down into clarifier showing access ladder lowered into clarifier



Site: American Chemical Services, Inc.

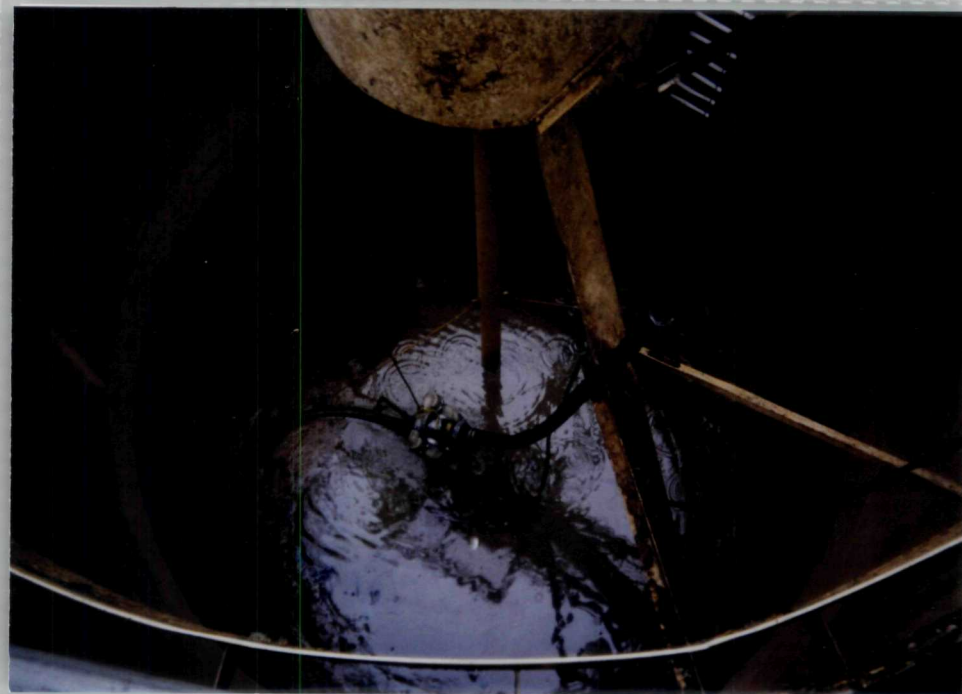
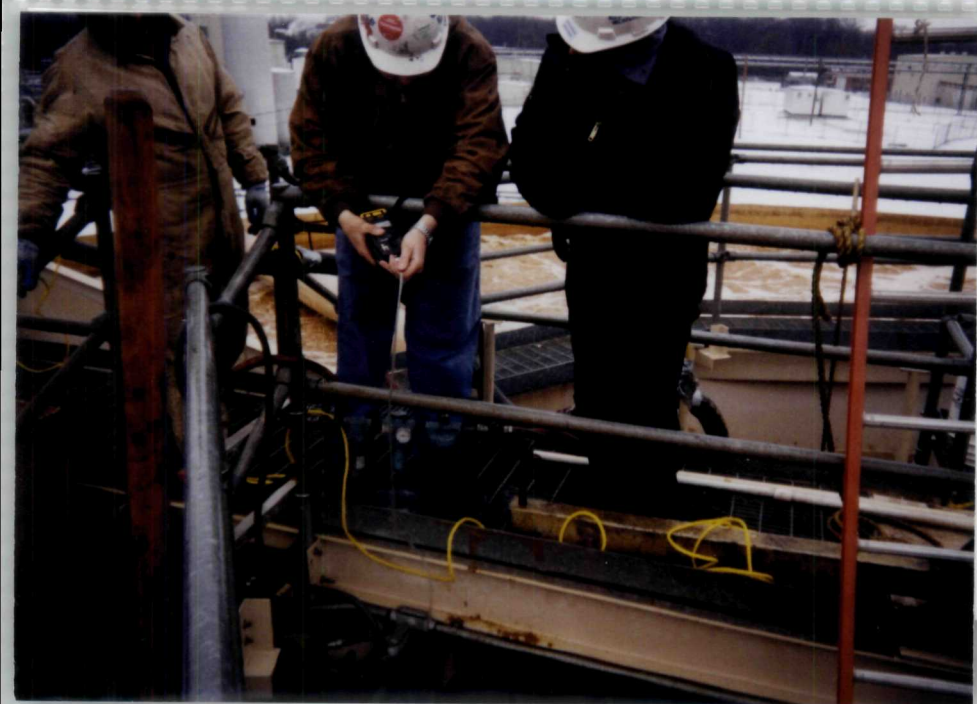
Proj. #: 46526

Roll: 51 Photo #7

Date: 12-05-03 Time: 09:10

Photographer: Larry Campbell

Description: Photo looking east showing Eagle personnel retrieving sample tubing for air monitoring instrument



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 51 Photo #8

Date: 12-05-03 Time: 09:15

Photographer: Larry Campbell

Description: Photo facing east showing Eagle personnel taking air reading in clarifier using 15' long tubing

Site: American Chemical Services, Inc.

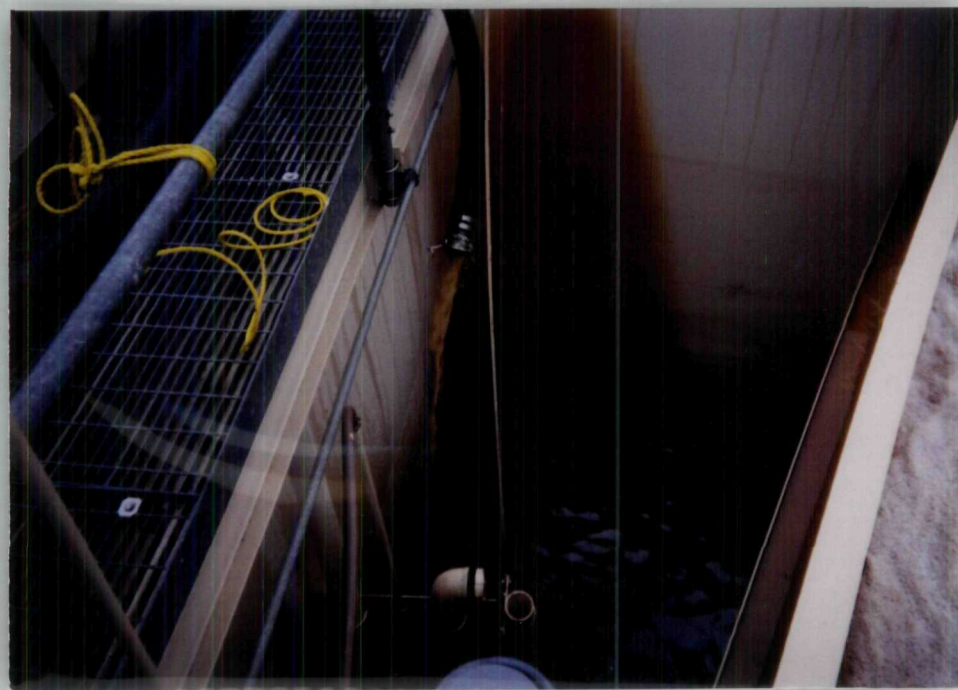
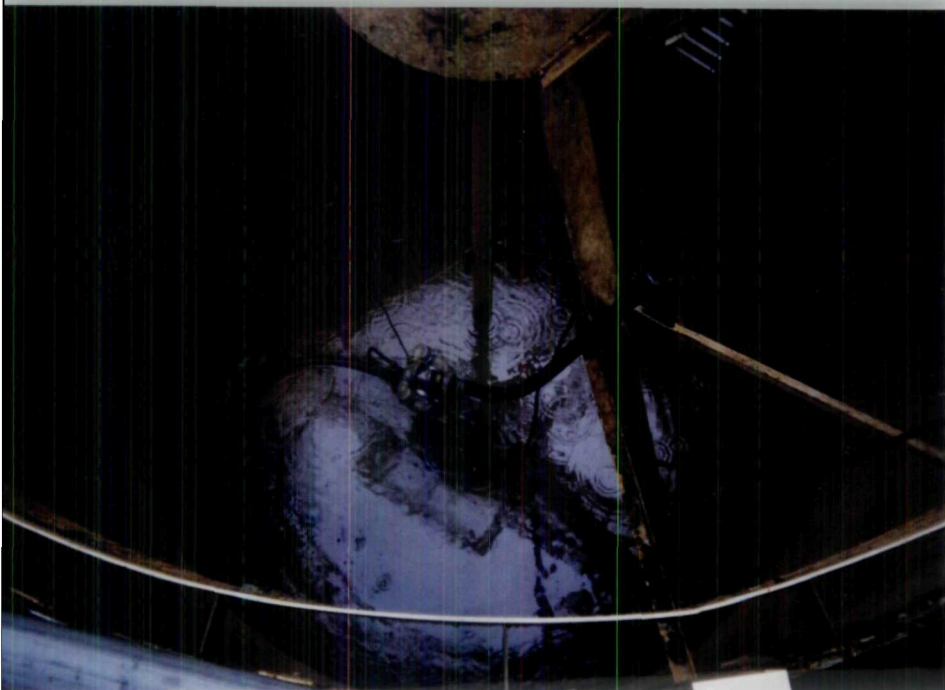
Proj. #: 46526

Roll: 51 Photo #9

Date: 12-05-03 Time: 09:40

Photographer: Larry Campbell

Description: Photo looking west down into clarifier showing pneumatic diaphragm pump suspended by rope above top of sludge



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 51 Photo #10

Date: 12-05-03 Time: 09:41

Photographer: Larry Campbell

Description: Photo looking west down into clarifier showing pneumatic diaphragm pump suspended by rope above top of sludge

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 51 Photo #11

Date: 12-05-03 Time: 09:50

Photographer: Larry Campbell

Description: Photo looking north into sludge holding cell in biotank showing sludge being discharged from 3-in.-dia. hose



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 51 Photo #12

Date: 12-05-03 Time: 10:00

Photographer: Larry Campbell

Description: Photo facing west showing Eagle technician donning respirator and waders in preparation for entering clarifier



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 51 Photo #13

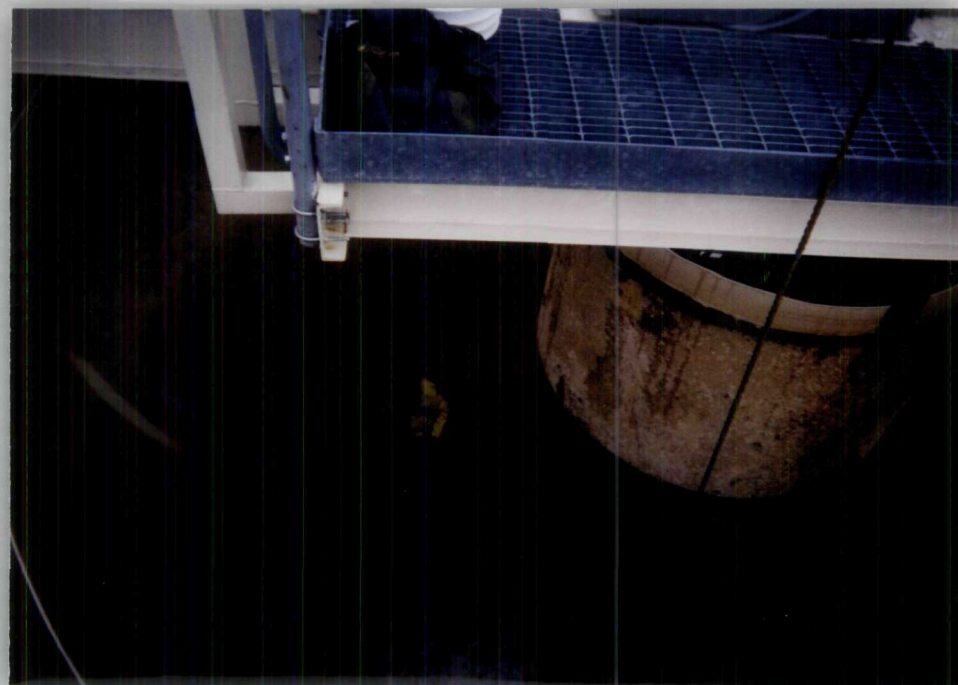
Date: 12-05-03 Time: 10:05

Photographer: Larry Campbell

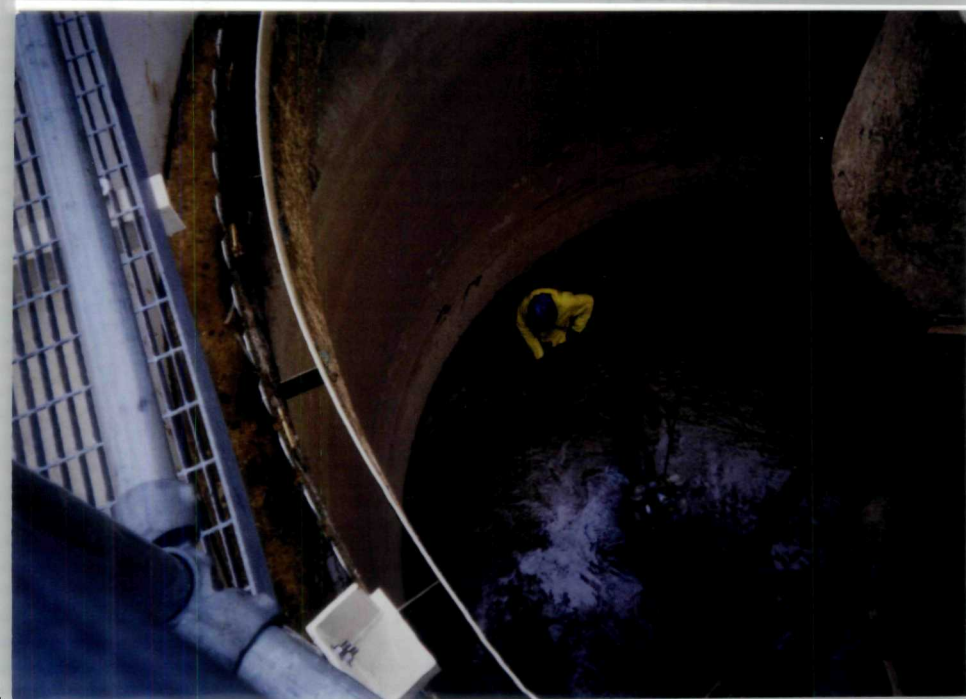
Description: Photo facing east showing Eagle technician descending ladder into clarifier



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 51 Photo #14
 Date: 12-05-03 Time: 10:07
 Photographer: Larry Campbell
 Description: Photo facing north showing Eagle
 technician descending ladder into
 clarifier



Site: American Chemical Services, Inc.
 Proj. #: 46526
 Roll: 51 Photo #15
 Date: 12-05-03 Time: 10:10
 Photographer: Larry Campbell
 Description: Photo facing west showing Eagle
 technician wading in sludge along west
 side of clarifier



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 51 Photo #16

Date: 12-05-03 Time: 10:20

Photographer: Larry Campbell

Description: Photo looking southwest into clarifier
showing Eagle technician moving
sludge pump intake hose

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 51 Photo #17

Date: 12-05-03 Time: 10:25

Photographer: Larry Campbell

Description: Photo looking southwest into clarifier
showing Eagle technician moving
sludge pump intake hose



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 51 Photo #18

Date: 12-05-03 Time: 10:45

Photographer: Larry Campbell

Description: Photo looking south showing Eagle technician (on left) who had been in clarifier (note brown sludge on his suit)

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 51 Photo #19

Date: 12-05-03 Time: 11:00

Photographer: Larry Campbell

Description: Photo north into sludge holding cell in bio tank showing sludge discharging from hose



Site: American Chemical Services, Inc.

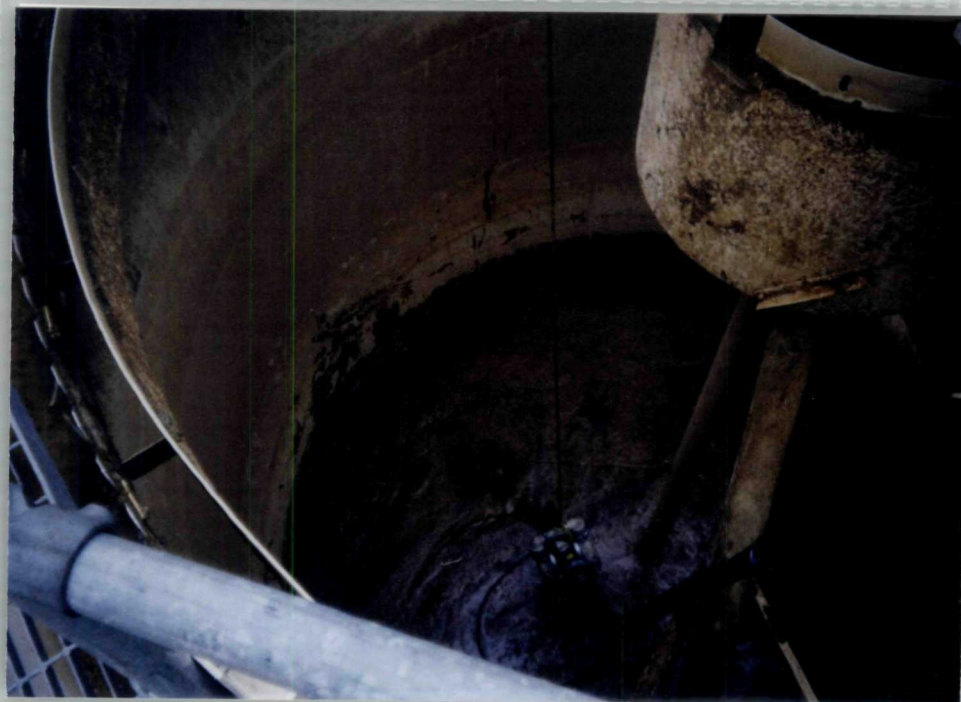
Proj. #: 46526

Roll: 51 Photo #20

Date: 12-05-03 Time: 11:05

Photographer: Larry Campbell

Description: Photo facing southwest showing Eagle technicians observing operation of sludge pump



Site: American Chemical Services, Inc.

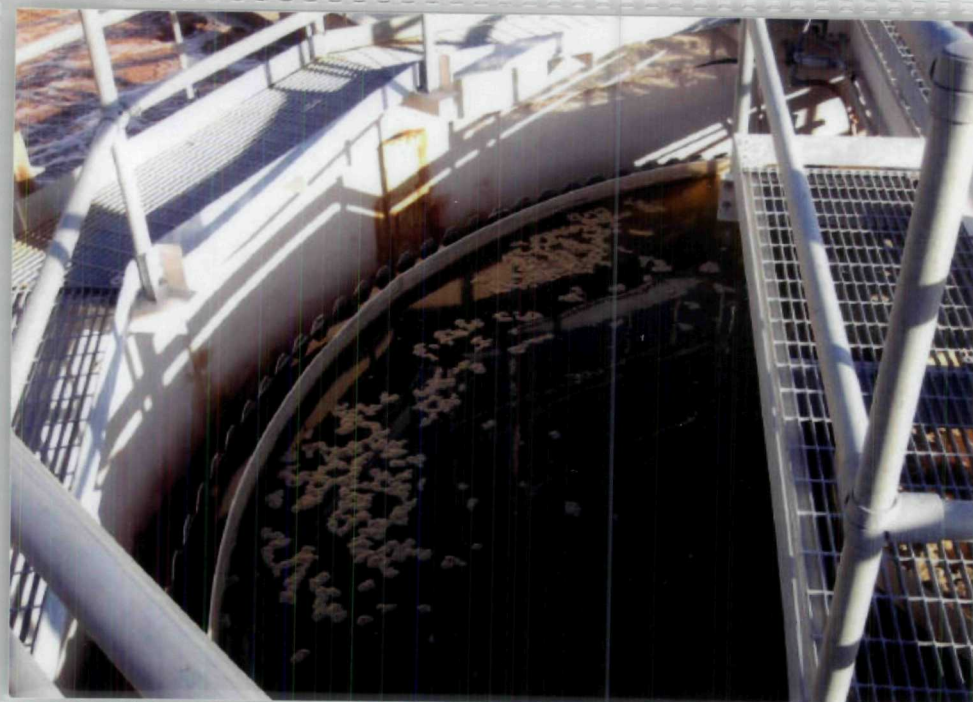
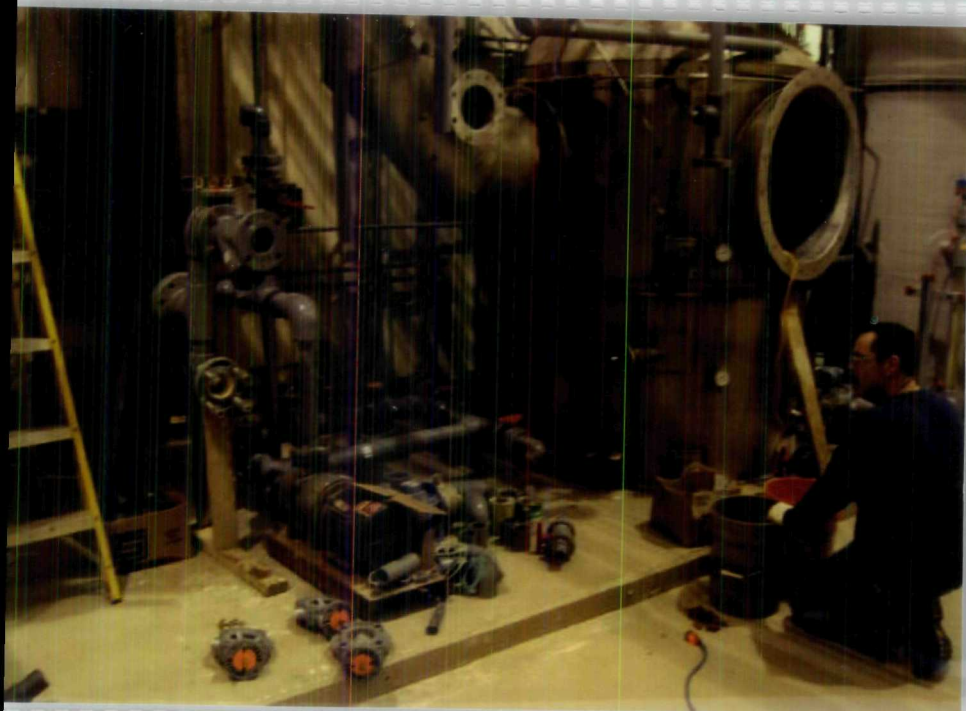
Proj. #: 46526

Roll: 51 Photo #21

Date: 12-05-03 Time: 11:10

Photographer: Larry Campbell

Description: Photo looking south into clarifier showing sludge pump removing sludge and liquid (compare to photo # 17)



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 51 Photo #22

Date: 12-11-03 Time: 09:15

Photographer: Larry Campbell

Description: Photo facing southwest showing Ryan employee reinstalling pipes at Thermox Unit #1

Site: American Chemical Services, Inc.

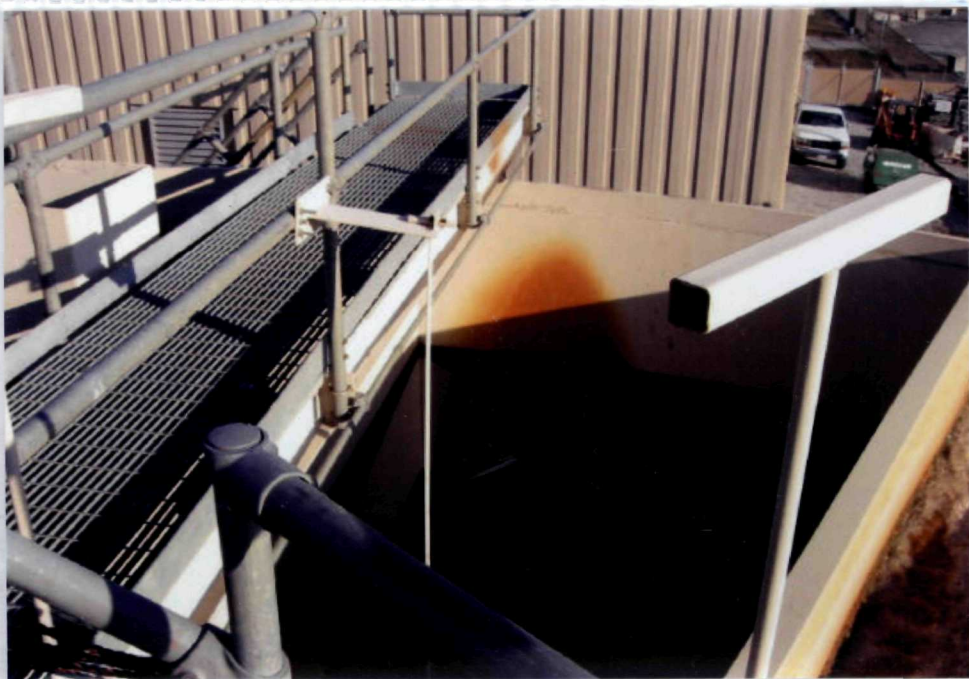
Proj. #: 46526

Roll: 51 Photo #23

Date: 12-11-03 Time: 09:25

Photographer: Larry Campbell

Description: Photo looking north into reactivated, refilled clarifier



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 51 Photo #24

Date: 12-11-03 Time: 09:30

Photographer: Larry Campbell

Description: Photo looking north into sludge holding cell in bio tank, showing cell nearly full of sludge from clarifier (compare to photo #19)